

forestry & natural resource
webinar series

 **Changing Roles Webinar
Module 2**

The session will start at 2:00 PM (Eastern Time)

The session will be recorded and made available on forestrywebinar.net

If you have not completed this yet please configure your audio and connection speed NOW!

Configure your audio
Click Tools → Audio → Audio Setup Wizard ... and follow the directions in the wizard

Set your connection speed
PC: Tools → Preferences → Session → Connection
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Changing Roles Webinar Series - Module 2

Made possible through partnership with:

Robert Bardon Bill Hubbard Eric Taylor Nicole Wulff

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From which time zone are you participating?

A. Pacific
B. Mountain
C. Central
D. Eastern
E. Other



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Which category best represents you?

A. Extension or Education Agency
B. Government Agency
C. Private Natural Resource Business
D. Landowner
E. Other

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Quizzes & Satisfaction Survey

- URL for quizzes and survey pushed out
- Please take time to complete
- Quizzes to measure knowledge gain
- Satisfaction survey used to know how to improve future webinars

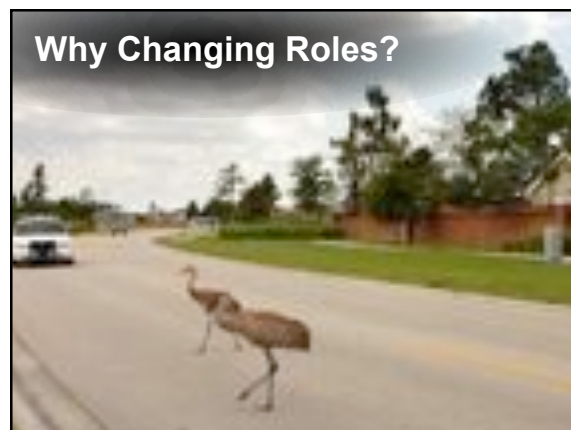


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The wildland-urban interface..

Where people who live in the city go to feel like they are in the country, and where people who live in the country go to feel like they are in the city.

- Jim Hull





CR Module Topics



1. WUI Issues and Connections



2. Managing Interface Forests



3. Land-Use Planning and Policy



4. Communicating with Interface Residents and Leaders

CR Webinar Series



1. WUI Issues and Connections
[Archived at forestrywebinars.com](http://forestrywebinars.com)



2. Managing Interface Forests
[Today](#)



3. Land-Use Planning and Policy
[October 13th](#)



4. Communicating with Interface Residents and Leaders
[October 29th](#)

CR Webinar Series Objectives

This series was developed for natural resource professionals to:

1. introduce them to the Changing Roles Program,

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CR Webinar Series Objectives

This series was developed for natural resource professionals to:

1. introduce them to the Changing Roles Program,
2. learn skills and tools to effectively work in the WUI, and
3. develop an understanding of opportunities and challenges in the WUI related to forest management, land-use policy and planning decision making, and communication skills for working with interface residents.

Changing Roles Webinar Series - Module 2



Changing Roles to Meet Changing Challenges: Care and Management of Interface Forests. (Forest Care)

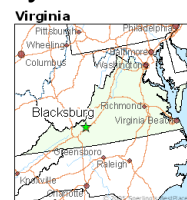
R. Bruce Hull
Professor of Natural Resources
Virginia Tech



Time for a Quiz

Road Map of Today's Webinar

- General
 - New context and drivers shaping forest and forestry
 - Need to build a NEW forest management system
- Specifics
 - Management and silviculture for amenity outcomes
 - Management to communicate care and professionalism



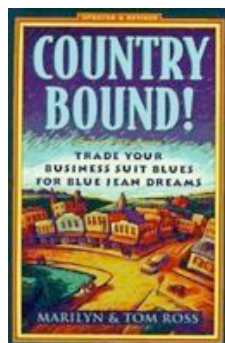
Globalization. Neglect. Change. Next Generation?

- Industry Relocate?
- Forest health?
- High grading?
- Generational transfer?
- Service providers?
- Eco-Services?



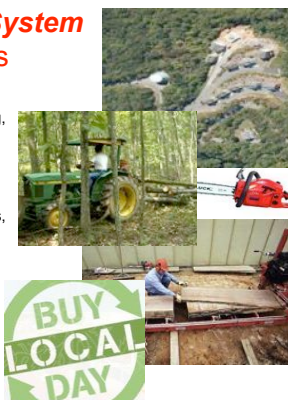
New Forests
New Owners
New Services
New Clients
New Opportunities

FOREST CARE
Strong Forest Economy
Thriving Forest Community
Resilient Forest Ecology





Forest Landcare **System** Components

- Willing forest owners
 - Green Infrastructure, zoning, clusters, easements
- Profitable Service Providers
 - Foresters, loggers, arborists, lawn care: *WUJ entrepreneurs*
 - Equipment, fees, skills
- Value-added Processing
- Consumers and celebrants of local



Blue Ridge Forest Coop (Video)


Blue Ridge Forest Coop Wildland-Urban


Sells

- Amenity
- Ecological health
- **Confidence and Trust**
- Value added
- Connection to place
- Timber harvest

Integrates

- Investment
- Planning
- management





Changing Roles: Module 2 Management Tips for Professionals

- Know the client: marketing to landowners
- Generating income
- Reducing fire risk
- Forest health
- Wildlife
- Water
- Landowner cooperative management
- Equipment and technique
- **Amenity resources**
- **Cues to care—visible stewardship**

Opportunity or Constraint? Forest Management vs. Amenity Values






References available for use when you need them

- General
 - Woods in Your Backyard: <http://www.maine.gov/doc/mfs/pubs/htm/wiyb/toc.htm>
 - Planning for Beauty and enjoyment: <http://pubs.cas.psu.edu/FreePubs/pdfs/uh088.pdf>
- Aesthetics
 - Jones, G. (1993). A Guide to Logging Aesthetics. 152 Riley-Robb Hall, Ithaca, NY, 14853, Northeast Regional Agricultural Engineering Service: 28 p.
- Mowing
 - <http://www.dnr.state.md.us/WILDLIFE/WAMOWING.ASP>
- Changing Roles Factsheets: 2.4, 2.7
 - http://www.interfacesouth.org/products/training/changing_roles.html

References available for use when you need them

- Trail References
 - US Forest Service Trail Construction and Maintenance Notebook 2007 Edition. <http://www.fhwa.dot.gov/environment/fspubs/07232806/toc.htm#acknow>
 - <http://www.ces.ncsu.edu/nreos/forest/pdf/WON/won29.pdf>
 - <http://www.extension.umn.edu/DISTRIBUTION/NATURALRESOURCES/DD6371.HTML>
 - American Trails: <http://www.americantrails.org/> check out the Resources tab
 - Professional Trail Builder's Association: <http://www.trailbuilders.org/>
 - Trail builder Org. <http://www.trailbuilders.org/resources/weblinks.html>



Amenity Resources (Changing Roles Fact sheet 2.4)

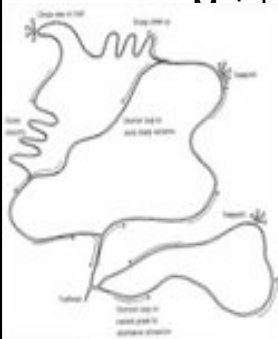
- **Trails**
- Picnic, Park, Camp
- Buffers and Privacy
- Scenery
 - Vista, color, thinning, depth of view, variety...
 - Aesthetic timber harvest
- Buffers and Privacy
- Planning and Setting Expectations
- Micro-climate
 - Shade, sun, breeze

Trail Design, Creation, and Maintenance



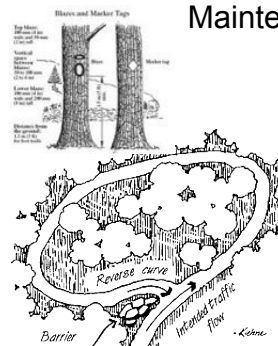
- **Plan skid and logging roads to become trails**
 - Hook to neighborhood system
- Loops and loops within loops
- Destinations
- Wayfinding
- Trail Tread
- Location and Erosion

Trail Design, Creation, and Maintenance



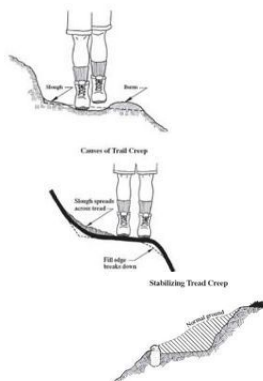
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Trail Design, Creation, and Maintenance



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Trail Tread



- Remove the slough and berm, leaving the trail outsloped so water will run off.
- Trail creep
- Guide rocks prevent tread creep. Do not create a continuous barrier that impedes water drainage.

Erosion Control



- Do not align along ridge
- Install water diversion devices
- Do not locate parallel to stream
- Control access to erodible sites

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Picnic, Park, and Camp

- **Vigorous, deep-rooted trees, resistant to soil compaction**
- Define boundaries to prevent expansion
- Parking spaces
 - Pollution should drain away from water source
 - Access, turn around,...



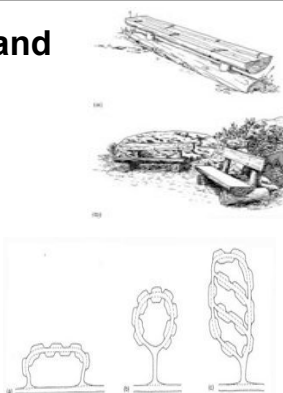
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Privacy, Solitude & Screening

- Visual buffers effectively screen neighbors, roads, etc.
 - Evergreen trees and shrubs
- Acoustic buffers rarely effective
 - 5 decibel reduction for every 100 feet of thick buffer



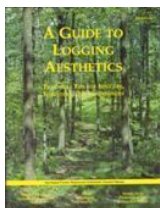
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Aesthetic Timber Harvests

- Vistas
 - Borrowed views
- Prospect-refuge
- Openings and variety
 - Think Blue Ridge Parkway
- Color/species/variety
- Large charismatic trees: crop tree release
- Quick green up: lime, seeding,...



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What do these four landscapes have in common?



Road Frontage



Along Driveway



Around Home/Cabin



View through forest

What do they have in common? These Beauty Making



What do they have in common?

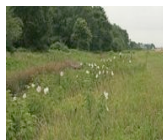
Prospect-Refuge

- See without being seen
- Depth Perception
 - Visual penetration
 - Ease of access, inviting
 - Thinned stocking level
 - Reduced down wood & understory



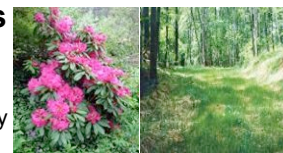
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Amenity Resources

(Changing Roles Fact sheet 2.4)
QUESTIONS?

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Changing Roles: Visible Stewardship

Module 2.8

Problem: What does “good” forest management look like? Many forest owners don’t know.

- *They don’t know what makes a forest healthy, biodiverse, good habitat for wildlife, productive,...*

Solution: They evaluate forest management using cues they do know from other service industries

- *Professionalism, dedication, neatness, promptness, ...*

Cues-to-Care

- Neatness
- Equipment
- Noise
- Promotional Material





Even the smallest WOODLOT is a BIG DEAL!





Clothing and Language



Avoid appearance of Waste, Damage, & Greed (what we leave)



Cues to Care

- Detailed plans inform expectations
 - Owners
 - Neighbors
 - Community
 - Timing
- Community commitment
 - Tenure
 - Membership in organizations



Changing Roles New Context = New Opportunities



- **New Practices**
 - Value added processing
 - Local markets
 - Smart growth
 - *Amenity management*
 - *Cues to professionalism*
- **New Relevance**
 - Clients with \$, votes, political connections



The new context is creating new opportunities.

- A) We need to recognize these new opportunities.
- B) We need new tools to solve the new problems.
- C) The old tools probably won't get us where we want to go.



Changing Roles to Meet Changing Challenges: Care and Management of *Interface Forests*. (*Forest Care*)

R. Bruce Hull
Professor of Natural Resources
Virginia Tech

hullrb@vt.edu

<http://www.forestry.vt.edu/Faculty/brucehull.html>
<http://natureamericanvalues.wetpaint.com/page/Infinite+Nature>



Time for a Quiz

CR Webinar Series- Next Sessions



3. Land-Use Planning and Policy
October 13th



4. Communicating with Interface
Residents and Leaders
October 29th

Next Up! Tune in for Changing Roles: Module 3 Land-Use Policy and Planning



- October 13th, 2009, 2- 3:30 pm EST
- John M. Davis, Conservation Outreach Coordinator, Texas Parks and Wildlife Department
- This session will discuss the various processes, policies and ordinances that governing bodies employ to plan land use. We will cover opportunities for natural resource professionals to assist in this process and strategies for becoming a community resource.

Next Up! Tune in for Changing Roles: Module 3 Land-Use Policy and Planning



- Most of us didn't get into this profession to live in cities and work in meeting rooms. However, our constituents have changed and the methods we use to influence land management have changed as well. We can no longer ignore the urban / urbanizing areas.
- Additionally, we are being asked to do more with less, so efficiency is critical. By working with planners and policy makers, we can impact the landscape on a grand scale.

Check out the CR website:



- To learn more about the Changing Roles Program
 - visit: www.interfacesouth.org/changingroles
 - email Nicole Wulff, nmwulff@fs.fed.us
- To learn more about the Changing Roles Webinar series, visit:
 - www.interfacesouth.org/products/training/webinar_series_2009/index.html

Thank you for joining us!

Please take a few moments to complete the evaluation!

Q & A

